Dolphin® 9500 Series Mobile Computers

Adaptus™
imaging technology

Features

Windows Mobile™ 2003 Software - Offers a user-friendly, industry standard platform for both developers and users.

Rugged, IP64 Sealed Construction - Operates in harsh environments, withstands rough treatment, and protects stored data.

Intel® X-Scale™ Processor - Provides faster processing of data collection applications, and image processing.

Ergonomic Designs - Facilitates comfortable, single-handed data collection for extended periods of use.

Adaptus Imaging Technology - Provides instant point-and-shoot bar code scanning (1D and 2D), signature and digital image capture.

Triple Wireless Radio Design (9500) - Integrated WAN, LAN, and PAN for real-time data collection and access to information anytime, anywhere.

Lithium Ion Battery - 7.4 volt, 14.8 watt-hour ensures longer operation time with wireless communications and scan-intensive applications.

1/4 VGA Color Display With Industrial Touch Screen - Offers enhanced data viewing and application interface.

Secure Digital (SD) User-Accessible Memory Interface - Provides the option of installing additional memory for application data storage.

Three Intuitive Keyboard Layouts - Customize your data entry for your mobile application solution.

Dolphin 9500 Series mobile computers deliver unparalleled performance and value for all mobile data collection applications. Their lightweight, ergonomic, and rugged designs provide the ease of use and operational reliability needed to excel in robust mobile applications such as package delivery, field service, route accounting, transportation, warehousing, retail, and industrial/manufacturing.

For maximum speed, efficiency, and usability, the Dolphin 9500 Series comes equipped with the Intel X-Scale processor and Windows Mobile software. The high-performance system architecture is powered by high-capacity, hot-swappable lithium-ion battery packs, enabling Dolphin 9500 Series terminals to operate longer in wireless, scan-intensive environments.

Designed to provide seamless data and voice connectivity for you and your mobile workers, the Dolphin 9500 terminal features an integrated triple-radio design for wireless WAN, LAN, and PAN communications. This state-of-the-art feature provides real-time information access anytime, anywhere, while communicating to any compatible wireless device, improving operational efficiency while ensuring data accuracy and security.

Integrated HHP Adaptus Imaging Technology provides workers with the data capture tools they need to get the job done quickly and efficiently, whether it is scanning a package for delivery, performing an inventory cycle count, capturing a signature for proof of receipt, or taking a picture of damaged goods. The Dolphin 9500 Series performs these tasks and more, extending the capabilities of your mobile applications and workforce.

To learn how Dolphin 9500 Series mobile computers can work for you, contact us at any of the locations listed on the back or visit us at **www.hhp.com**.

Upgrade your image.

Dolphin 9500 Series **Specifications**

Bluetooth®   Designed for Windows Mobile™

System Architecture

Processor: Intel X-Scale PXA255 400MHz

Development Environment: HHP Dolphin SDK Add-on for Pocket PC 2003 - supports Embedded Visual C++ 4.0
HHP Dolphin .NET SDK for Pocket PC 2002 and 2003 - supports Visual Studio.NET 2003 (VB.NET and C#.NET)
HHP Dolphin GSM/GPRS SDK Add-on for Pocket PC 2003 - supports Embedded Visual C++ 4.0 and Visual Studio.NET 2003

Operating Platform: Windows Mobile Software 2003 for Pocket PCs - Professional Edition

Third-Party Software: Support for Connect Terminal Emulation software (TNVT, 3270, 5250), Java Virtual Machine (JVM) Runtime

Memory: 64MB RAM x 32MB non-volatile Flash

Data Inputs

Imager: IMAGETEAM™ 4100SR with green aimer, decodes from 2.5 to 12.5 in. (6.3 to 32 cm.)
IMAGETEAM™ 4100SF with green aimer, decodes from 2.1 to 8.9 in. (5 to 22.6 cm.)
IMAGETEAM™ 4100HD with green aimer, decodes from 2.2 to 6.5 in. (5.6 to 16.5 cm) (*Specifications are for 100% UPC Code.)*

Laser Scanner (9501/9551): HP non-decoded reads 5 mil bar codes from 2.75 to 7 in (.07 to .17 m) and 55 mil reflective bar codes from 5 to 50 in (.13 to 1.27 m).
LR non-decoded reads 10 mil bar codes from 10 to 24 in (.25 to .6 m) and 100 mil reflective bar codes from 66 to 232 in (1.67 to 5.9 m).
ALR non-decoded reads 13 mil bar codes from 18 to 39 in (.45 to 1 m) and 100 mil reflective bar codes from 102 to 363 in (2.6 to 9.2 m).

1D Symbologies Read: Codabar, Code 3 of 9, Code 11, Code 32 Pharmaceutical (PARAF), Code 93, Code 128, EAN with Add-On and EAN with Extended Coupon Code, EAN-13, Interleaved 2 or 5, Matrix 2 of 5, Plessey, PosiCode, RSS, Straight 2 of 5 IATA, Straight 2 of 5 Industrial, Telepen, Trioptic Code, UCC/EAN-128, UPC and UPC-A *(Dolphin 9551 scans only 1D symbologies.)*

2D Symbologies Read: Aztec, Code 16K, Composite, Data Matrix, MaxiCode, OCR, PDF417, QR Code, RSS

Composite and OCR Codes: Aztec Mesa, Codablock F, EAN·UCC, RSS-14 and OCR-A and OCR-B

Postal Codes: Postnet, Australian, British, Canadian, China, Japanese, KIX (Netherlands), and Korea Post, Planet Code

Keyboard: Three backlit keyboard options: 35-key numeric-shifted alpha, 43-key alpha-shifted numeric, and 56-key full alpha/numeric

Data Outputs

Display: 1/4 VGA (240 x 320 portrait mode) color TFT LCD display OR monochrome display with industrial-grade touch screen

I/O Ports: Mechanical connector supports communication - USB 1.1 and serial RS-232 up to 115Kbps - and charges via cradles
AC adapter cables, Integrated IrDA port, Integrated audio jack that acts as a speaker and a microphone

Mass Storage: User-accessible Secure Digital memory interface

Wireless Radio Options

WLAN: IEEE 802.11b DSSS Authentication Methodologies: LEAP, MD5, TLS, TTLS, PEAP, and WEP

WWAN (9500 only): GSM/GPRS Tri-band (900, 1800, 1900 MHz) radio with accessible SIM card interface

WPAN: Bluetooth (Class 2)
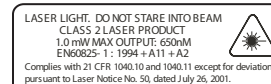
Physical

Dimensions: 9500/9550– 9.6"L x 3.45"W x 1.66"D at display (24.53 x 8.76 x 4.23 cm), 2.7"W x 1.5"D at grip (6.9 x 3.8 cm)
9501/9551 – 9.6"L x 3.45"W x 2.27"D at display (24.53 x 8.76 x 5.76 cm), 2.7"W x 1.5"D at grip (6.9 x 3.8 cm)

Weight: 9500 Terminal – Batch: 19.7 oz. (558 gm), WLAN: 20.2 oz. (573 gm), WPAN: 20 oz. (567 gm), WLAN/WPAN: 20.3 oz. (576 gm)
9501 Terminal – 22.65 oz. (642 gm), all versions
9550 Terminal – Batch: 23.4 oz. (663 gm), WLAN: 23.9 oz. (677.5 gm)
9551 Terminal – 25.8 oz. (732 gm), all versions

Operating Temperature: 14 to 122°F (-10°C to 50°C); can operate down to -20°C with potential degradation in performance depending on the application

Storage Temperature: -4° to 158°F (-20° to 70°C)

Humidity: 95% humidity, non-condensing

Electrical Static Discharge: 15 kv on all surfaces

Impact Resistance: Withstands multiple 5ft. (1.5m) drops onto concrete

Environmental Resistance: Independently certified to meet IP64 standards for moisture and particle resistance

Power: Lithium-Ion battery technology – 7.4V, 14.8 watt-hour main battery with hot-swappable design for fast replacement in the field

Other: Integrated stylus with optional tether and removable hand strap

Peripherals/Accessories

Dolphin HomeBase™ Charging/communications cradle with Auxiliary Battery Well. Data transfer via RS-232 serial or USB ports.

Dolphin Mobile Base Mobile charging/communication cradle. Data transfer via RS-232 serial. Power out at 5 volts for peripheral devices.

Dolphin QuadCharger™ Four-slot battery charger that charges four batteries in under four hours. One slot doubles as a battery analyzer.

Dolphin Mobile Charger Charges a Dolphin terminal by plugging into a vehicle cigarette lighter/power port .

Dolphin ChargeBase™ Four-slot charging cradle–each slot holds, powers, and charges a terminal.

Dolphin Net Base Four-slot charging/communication cradle designed for Ethernet-based communications.

Charging/Comm Cables USB or serial cables that charge and communicate with the terminal directly, without a cradle.

Li-Ion Battery Pack 7.4V, 14.8 Watt Hour Lithium Ion rechargeable main battery for the Dolphin.

Regulatory Approvals

FCC-CE-Radio Country: US/Canada, R&TTE

LASER LIGHT. DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
1.0 mW MAX OUTPUT: 650nM
EN60825-1 : 1994 + A11 + A2
Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001.

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